

## Objective:

Aspiring Data Scientist/Analyst with strong programming skills and a deep understanding of Statistical Models, Artificial Intelligence Algorithms, and Multivariate Analysis. Excellent in working with stakeholders and colleagues, gathering requirements, and converting them into mathematical models and technological solutions. Strong analytical, problem-solving, project management, leadership, presentation, and communication skills. Bilingual in English and French. Seeking a position to apply mathematical, statistical, and programming skills to build and implement intelligent systems.

## Skills:

- Python
- R/R Shiny
- Java
- SQL
- Excel
- Tableau
- Microsoft Power BI
- SAS
- NoSQL
- C
- Linux
- SharePoint
- IBM Watson
- Docker
- Database Systems Management
- Relational Databases
- ETL Workflow
- Artificial Intelligence
- Linear/Logistic Regression Analysis
- Multivariate Analysis
- Data Scraping
- Data Mining
- Data Visualization
- Data Structures
- Data/Statistical Modeling
- Data Warehousing
- Object Orientated Programming

## Work Experience:

Data Analyst May 2021 – Present  
*Capco, Toronto, ON*

- Identifying gaps and testing RESTful APIs using Postman to ensure data accuracy and improve data quality by 10%
- Creating user stories to provide detailed requirements for back-end migration to RESTful APIs of IVR system
- Facilitating grooming sessions with developers to refine user stories, answer questions and plan future sprints

Service Data Analyst Oct 2020 – Apr 2021  
*Registrar's Office, University of Toronto Scarborough, Toronto, ON*

- Gathered and analyzed survey data to identify gaps in the Financial Aid Office's operations and service delivery
- Presented reports with visualizations to summarize findings and recommendations for senior management
- Implemented strategies and new workflows to improve day-to-day operations and increase client satisfaction

Software Developer Sep 2019 – Apr 2020  
*The BRIDGE, University of Toronto Scarborough, Toronto, ON*

- Developed responsive website using React to create user-friendly datahub for researchers
- Investigated and resolved frontend and backend issues in code to improve functionality and efficiency of website
- Executed SQL scripts in MySQL to test data quality and security of over 100 records of sensitive client data

Research Assistant – Python/Web Developer Sep 2019 – Mar 2020  
*CMS Undergraduate Research Group, University of Toronto Scarborough, Toronto, ON*

- Wrote ETL scripts in Python to collect and transform metadata of published papers into human readable format
- Implemented new features to improve the design and functionality of research group's website in GitHub pages
- Designed workflows to automate the maintenance, updating and deployment of website using GitHub

Project Data Analyst May 2019 – Aug 2019  
*CIBC, Toronto, ON*

- Analyzed project data to design new workflows that streamline processes and improves team performance by 10%
- Measured team performance by defining KPIs and created Excel dashboard to summarize findings for management
- Performed cost-effective analysis on over 1000 reports to minimize the cost of data migration

IT Architect/Business Analyst Assistant Sep 2018 – Dec 2018  
*Ministry of Education, Toronto, ON*

- Implemented document parsing algorithms with Java and IBM Watson to boost accuracy of search results by 8%
- Investigated and resolved bugs in backend applications to improve functionality of search engine application
- Performed weekly dashboard testing on Power BI reports to increase data quality by 5%

Research Assistant – Data Collection Jun 2018 – Aug 2018  
*Flourish Program, University of Toronto Scarborough, Toronto, ON*

- Cleaned large data sets using Excel (pivot tables, IF statements) to prepare data for analysis for research paper

Business Analyst Jan 2018 – Apr 2018  
*Workplace Safety Insurance Board, Toronto, ON*

- Oversaw production of a new branch SharePoint site and dashboard to display branch information
- Produced business requirement documents to provide developers specifications of the product
- Wrote detailed concept documents to collect information on proposed system enhancements

Research Assistant – Python Developer Sep 2017 – Dec 2017  
*Olsen Lab, Rotman Research Institute, Toronto, ON*

- Developed ETL scripts in Python to efficiently collect brain imaging data from database for brain activity analysis

### **Projects/Competitions:**

How Do Underlying Health Conditions Affect the Potential for Brown Fat Productivity? Mar 2021 – Apr 2021

- Performed exploratory analysis on 26 variables to develop logistic regression model using R to predict presence of brown fat in humans

Human-Computer Interaction Project May 2020 – Aug 2020

- Collected and analyzed survey and interview data on user needs to identify problems faced in post-graduate studies
- Developed a prototype and performed A/B testing to assess the usability of the proposed solution

NBA Fantasy Sports Dashboard (Personal Project) Apr 2020

- Implemented ETL scripts in Python to create a database of performance data of over 500 players
- Developed linear regression model using R to best predict the statistics of a player
- Created dashboard using R Shiny to interactively visualize predictions made by linear regression model

The BRIDGE Hackathon (Placed 1<sup>st</sup> Place) Feb 2019  
*University of Toronto Scarborough, Toronto, ON*

- Analyzed demographic and sales data to create marketing strategy that will increase attendance at sporting events

Brock Datathon Sep 2017  
*Brock University, St. Catherine's, ON*

- Formulated mathematical model using a dataset of over 79 variables to predict house pricing

UTSC Coding Competition, Mar 2017  
*University of Toronto Scarborough, Toronto, ON*

- Developed algorithms using complex data structures to efficiently solve mathematical case studies
- Identified errors in code through debugging and creating test cases for applications

### **Education:**

Honours Bachelor of Science Sep 2016 – Apr 2021

Major in Computer Science (Co-op), Double Minor in Statistics and French  
*University of Toronto*